# SPEC® CINT2006 Result

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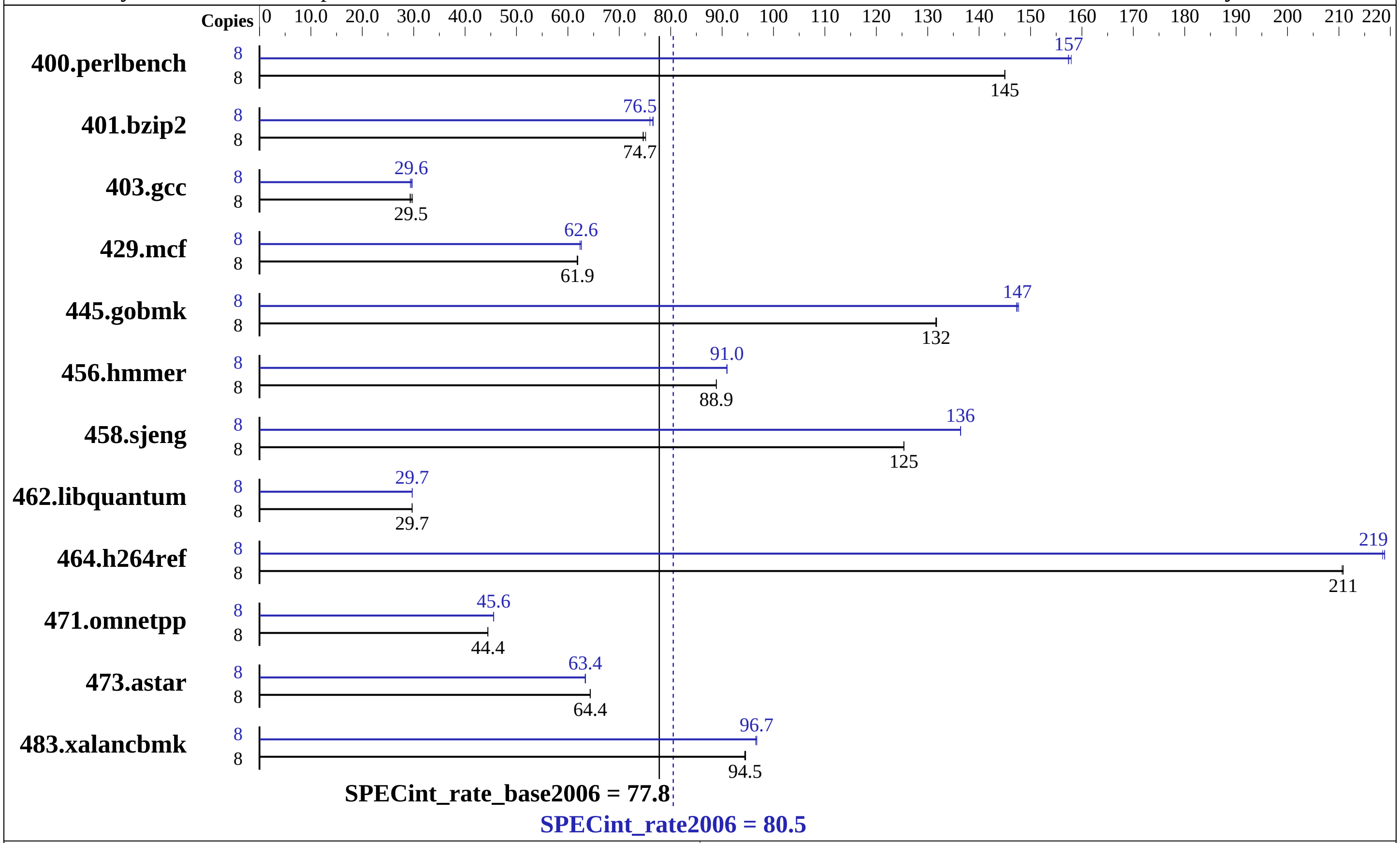
## Acer Incorporated

**SPECint®_rate2006 = 80.5**

Acer Altos R720 (Intel Xeon X5355, 2.66GHz)

**SPECint_rate_base2006 = 77.8**

| | | | |
|---|---|---|---|
| **CPU2006 license:** 97 | | **Test date:** | Jan-2007 |
| **Test sponsor:** | Acer Incorporated | **Hardware Availability:** | Nov-2006 |
| **Tested by:** | Acer Incorporated | **Software Availability:** | Nov-2006 |




## Hardware

| | |
|---|---|
| CPU Name: | Intel Xeon X5355 |
| CPU Characteristics: | 1333MHz system bus |
| CPU MHz: | 2666 |
| FPU: | Integrated |
| CPU(s) enabled: | 8 cores, 2 chips, 4 cores/chip |
| CPU(s) orderable: | 1,2 chips |
| Primary Cache: | 32 KB I + 32 KB D on chip per core |
| Secondary Cache: | 8 MB I+D on chip per chip, 4 MB shared / 2 cores |
| L3 Cache: | None |
| Other Cache: | None |
| Memory: | 16 GB (8 x 2048MB ECC FB-DIMM DDR2-667 CL5-5-5) |
| Disk Subsystem: | 1 x 73GB 10000RPM SAS HDD |
| Other Hardware: | None |

## Software

| | |
|---|---|
| Operating System: | Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1 |
| Compiler: | Intel C++ Compiler for IA32 version 9.1 Package ID W_CC_C_9.1.028 Build 20060706Z Microsoft Visual Studio 2003 .Net (libr. & linker) |
| Auto Parallel: | No |
| File System: | NTFS |
| System State: | Default |
| Base Pointers: | 32-bit |
| Peak Pointers: | 32-bit |
| Other Software: | MicroQuill Smart Heap Library, Version 7.4 |

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## Results Table

| Benchmark | Base | | | | | | | Peak | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 400.perlbench | 8 | 539 | 145 | **539** | **145** | 539 | 145 | 8 | 497 | 157 | 495 | 158 | **496** | **157** |
| 401.bzip2 | 8 | 1035 | 74.6 | 1028 | 75.1 | **1034** | **74.7** | 8 | 1016 | 76.0 | **1009** | **76.5** | 1008 | 76.6 |
| 403.gcc | 8 | 2199 | 29.3 | **2184** | **29.5** | 2163 | 29.8 | 8 | **2179** | **29.6** | 2167 | 29.7 | 2194 | 29.4 |
| 429.mcf | 8 | 1178 | 61.9 | 1181 | 61.8 | **1179** | **61.9** | 8 | 1165 | 62.6 | 1170 | 62.3 | **1166** | **62.6** |
| 445.gobmk | 8 | 638 | 132 | **638** | **132** | 637 | 132 | 8 | 570 | 147 | 568 | 148 | **569** | **147** |
| 456.hmmer | 8 | 840 | 88.9 | **840** | **88.9** | 840 | 88.9 | 8 | 820 | 91.0 | 821 | 90.9 | **821** | **91.0** |
| 458.sjeng | 8 | 772 | 125 | 772 | 125 | **772** | **125** | 8 | 710 | 136 | **710** | **136** | 710 | 136 |
| 462.libquantum | 8 | **5582** | **29.7** | 5578 | 29.7 | 5585 | 29.7 | 8 | 5578 | 29.7 | **5579** | **29.7** | 5583 | 29.7 |
| 464.h264ref | 8 | **840** | **211** | 840 | 211 | 841 | 211 | 8 | 809 | 219 | **809** | **219** | 810 | 218 |
| 471.omnetpp | 8 | 1125 | 44.5 | **1125** | **44.4** | 1126 | 44.4 | 8 | 1098 | 45.5 | 1097 | 45.6 | **1097** | **45.6** |
| 473.astar | 8 | 872 | 64.4 | 873 | 64.3 | **873** | **64.4** | 8 | 887 | 63.3 | **886** | **63.4** | 885 | 63.4 |
| 483.xalancbmk | 8 | 584 | 94.6 | **584** | **94.5** | 585 | 94.4 | 8 | **571** | **96.7** | 570 | 96.8 | 572 | 96.5 |

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## General Notes

```
This result was measured on the Acer Altos R520.
The Altos R720 and Altos R520 are electronically equivalent.
```

## Base Compiler Invocation

C benchmarks:
`icl -Qvc7.1 -Qc99`

C++ benchmarks:
`icl -Qvc7.1`

## Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

## Base Optimization Flags

C benchmarks:
-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-fast -Qcxx_features /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

## Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

## Peak Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

## Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

## Peak Optimization Flags

C benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

## Peak Other Flags

C benchmarks:

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## Peak Other Flags (Continued)

403.gcc: -Dalloca=_alloca

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.xml


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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.


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